

**CLAIM SUMMARY DOCUMENT**

Claim 1 (Currently amended) A mobile building unit, including at least two walls (6), a roof (7) and a floor (12), which is movable to an operating site and assembled there to form a building including at least one room (3) defined by at least four walls, a roof, and a floor, characterised in that wherein at least two of the walls (6) and the roof (7) comprises comprise a double walled structure including an inner (8) and an outer (9) partition element, forming a closed space (10) therebetween, to allow filling of the spaces with a fillable material once the building is assembled at the operating site, wherein the partition elements and the fillable material in the closed spaces serve as a radiation shielding to allow use of the building as a radiation shielded building for accommodating radiating equipment for treatment, therapy or diagnosing by means of ionising radiation, and to enable easy emptying of the fillable material before possible relocation of the building to another operating site.

Claim 2 (Currently amended) A building unit according to claim 1, wherein the space (10) forms a closed, liquid impermeable impermeable tank.

Claim 3 (Original) A building unit according to claim 2, wherein the fillable material is water which is containable in the tank.

Claim 4 (Original) A building unit according to claim 3, wherein it comprises a system for monitoring the water level.

Claim 5 (Original) A building unit according to claim 1, wherein the fillable material is sand which is containable in the space (10).

Claim 6 (Currently amended) A building unit according to ~~any of the preceding claims~~ claim 1, wherein it is adapted to be assembled with at least one other building unit (1, 1', 2).

Claim 7 (Currently amended) A building including at least one room (3), enclosed by walls (6), a room (7) and floor (12), for accommodating radiating equipment (5) for treatment, therapy or diagnosing by means of ionizing radiation, the walls, the roof and the floor of said building (1, 1') serving as a radiation shielding barrier for preventing radiation at health-impairing levels from escaping to the outside of the building structure, wherein at least two of the walls and the roof ~~comprises~~ comprise a double walled structure comprising an inner (8) and an outer (9) partition element with a space (10) defined therebetween, and a filling inlet through which the space is fillable with a fillable material to allow filling of the space with the fillable material once the building is located at an operating site, where it is to be used, to provide a radiation shielding barrier with a sufficient shielding capacity.

Claim 8 (Original) A building according to claim 7, wherein the space (10) forms a closed, liquid impermeable tank.

Claim 9 (Original) A building according to claim 8, wherein there are two or more separate tanks (10) in the building.

Claim 10 (Original) A building according to claim 8, wherein the tank (10) contains water.

Claim 11 (Original) A building according to claim 8, wherein it comprises a system for monitoring the water level.

Claim 12 (Original) A building according to claim 8, wherein it comprises a system for temperature control of the water.

Claim 13 (Currently amended) A building according to claim 7, wherein the spaces (10) contains contain sand.

Claim 14 (Original) A building according to claim 7, wherein it is adapted for treatment of humans.

Claim 15 (Original) A building according to claim 7, wherein it is assembled of two or more building units (1, 1').

Claim 16 (Currently amended) A building according to ~~any of the claims 7-15~~  
claim 7, wherein at least three of the walls and the roof ~~comprises~~ comprise a double walled structure.

Claim 17 (Currently amended) A method for constructing a building of the type including at least one room (3), enclosed by walls (6), a roof (7) and a floor (12), adapted for accommodating radiating equipment (5) for treatment, therapy or diagnosing by means of ionising radiation, including ~~to construct~~ constructing the walls, the roof and the floor of said room as a radiation shielding barrier for preventing radiation at health-impairing levels from escaping to the outside of the building during operation of the radiating equipment, ~~characterised by comprising~~ the steps:  
~~to construct~~ constructing the building in a modular form as a mobile unit (1, 1') including at least two walls (6), a roof (7) and a floor (12);  
~~to construct~~ constructing at least two of the walls and the roof of the building unit as a double walled structure comprising an inner (8) and an outer (9) partition element forming a closed space (10) therebetween;  
~~to transport~~ transporting the mobile unit to an operating site and ~~assemble~~ assembling it there; and

to ~~fill~~ filling the spaces with a fillable material to provide a radiation shielding barrier with a sufficient shielding capacity.

Claim 18 (Currently amended) A method according to claim 17, including the further step ~~to fill of~~ filling the spaces (10) with water.

Claim 19 (Currently amended) A method according to claim 17, including the further step ~~to fill of~~ filling the spaces (10) with sand.

Claim 20 (Currently amended) A method according to claim 17, including the further step ~~to use of~~ using the building for treatment of humans.

Claim 21 (Currently amended) A method according to ~~any of the claims 17-20~~  
claim 17, including the further step ~~to assembly of~~ assembling the building of at least two building units (1, 1').